

SUBZERO SZ-VOXLINK-2VH /BM-630D HH

SUBZERO VOXLINK 2VH Handheld Wireless Microphone System

Model: SZ-VOXLINK-2VH /BM-630D HH

INTRODUCTION

The SubZero VOXLINK-2VH Wireless Microphone System is engineered to deliver high-quality audio performance and operational flexibility. This system is suitable for various applications, including vocal presentations and artistic performances, providing reliable wireless connectivity. Its straightforward design comprises a receiver unit and two handheld wireless microphones. The system's variable frequency capability ensures broad coverage, allowing users freedom of movement without signal drops or interference. For portability, the entire system can be conveniently transported in the included carry bag.

PRODUCT OVERVIEW

The VOXLINK 2VH system includes a central receiver unit and two handheld microphones, designed for ease of use and robust performance.



Figure 1: The complete SubZero VOXLINK 2VH Wireless Microphone System, showing the receiver unit and two handheld microphones.

Receiver Unit

The receiver unit is the central hub of the wireless system, processing audio signals from the microphones. It features a front panel display for channel information and controls for synchronization.



Figure 2: Front panel of the receiver, displaying channel indicators and control buttons.

The rear panel of the receiver provides audio output connections and the power input.



Figure 3: Rear panel of the receiver, featuring individual XLR outputs for channels A and B, a mixed XLR output, and the DC power input.

Handheld Microphones

The system includes two handheld microphones, each designed for comfortable use and clear audio capture. They are powered by batteries and feature a display for channel information.

PACKAGE CONTENTS

Upon opening the product packaging, verify that all the following items are present and in good condition:

- 1 x VOXLINK 2VH Receiver Unit
- 2 x Handheld Wireless Microphones
- 1 x Power Adapter for Receiver
- 1 x Carry Case
- User Manual (this document)



Figure 4: All components of the system, including the receiver, two microphones, and power adapter, stored within the protective carry case.

SETUP

Follow these steps to set up your SubZero VOXLINK 2VH Wireless Microphone System:

1. **Place the Receiver:** Position the receiver unit on a stable, flat surface, away from potential sources of interference such as large metal objects or other wireless devices. Ensure the antennas are extended and oriented vertically for optimal signal reception.
2. **Connect Power:** Connect the provided power adapter to the DC IN port on the rear of the receiver and plug it into a suitable power outlet.
3. **Connect to Audio System:** Use XLR cables (not included) to connect the receiver's XLR outputs (CH. A, CH. B, or MIX OUT) to the input of your amplifier, mixer, or audio interface.

4. **Install Microphone Batteries:** Unscrew the bottom part of each handheld microphone to access the battery compartment. Insert the required batteries (typically AA, check microphone markings for polarity) into each microphone. Securely reattach the bottom part.
5. **Power On:** Press the POWER button on the receiver's front panel to turn it on. The display will illuminate. Turn on each microphone by pressing its power button.
6. **Synchronize Microphones:** The system uses infrared (IR) synchronization. With the receiver and microphones powered on, align the IR sensor on each microphone with the IR window on the receiver's front panel. Press the 'IR' button on the receiver for the corresponding channel (RF-A or RF-B) to initiate synchronization. The microphone display should show the same channel as the receiver once synchronized.



Figure 5: The receiver unit with both handheld microphones, illustrating a typical setup configuration.

OPERATING

Once set up, operating the VOXLINK 2VH system is straightforward:

1. **Channel Selection:** The system operates on 16 channels. To change the channel for a microphone, use the 'UP' buttons

on the receiver for the respective channel (AF-A or AF-B) to cycle through available frequencies. After selecting a new channel on the receiver, re-synchronize the corresponding microphone using the IR function as described in the Setup section.

2. **Volume Adjustment:** Use the 'VOL A' and 'VOL B' knobs on the rear of the receiver to adjust the individual output volume for each microphone channel. Adjust these levels in conjunction with your mixer or amplifier's input gain to achieve optimal sound without distortion.
3. **Microphone Usage:** Hold the microphone approximately 2-6 inches (5-15 cm) from your mouth for best vocal pickup. Avoid covering the microphone grille with your hand, as this can affect sound quality and signal stability.
4. **Range:** The system offers a wide coverage area. However, maintain a clear line of sight between the microphones and the receiver whenever possible to ensure stable signal transmission. Obstacles can reduce the effective range.

Frequency Compatibility

The system operates on frequencies above 863.7/864.9MHz. Users should be aware of local regulations regarding wireless microphone frequencies. The following image provides a general overview of frequency usage in Europe:

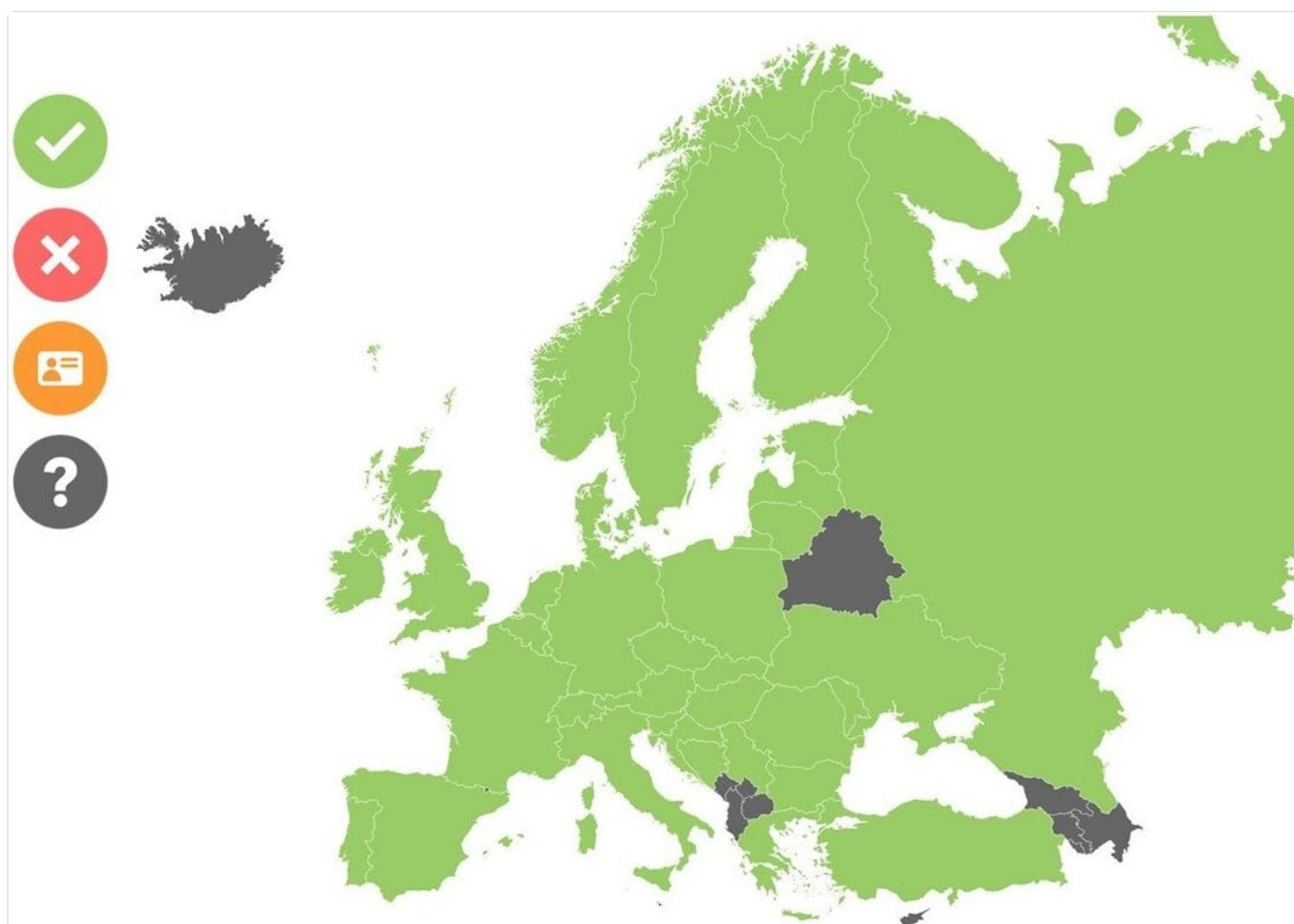


Figure 6: General frequency compatibility map for Europe. Green indicates areas where the system's frequencies are generally compatible, while grey indicates areas that may have restrictions or require specific licensing. Consult local authorities for precise regulations.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your wireless microphone system:

- **Battery Replacement:** Replace microphone batteries when the low battery indicator appears on the microphone display or when audio quality degrades. Always use fresh, high-quality batteries. Remove batteries if the microphones will not be used for an extended period to prevent leakage.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the receiver and microphones. For stubborn dirt, a slightly damp cloth

can be used, but ensure no moisture enters the device. Do not use abrasive cleaners or solvents.

- **Storage:** When not in use, store the system in its original carry case in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Antenna Care:** Handle the receiver antennas carefully. Avoid bending or forcing them, as damage can impair signal reception.

TROUBLESHOOTING

If you encounter issues with your SubZero VOXLINK 2VH system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from microphone	Microphone off; Low/dead batteries; Microphone not synchronized; Receiver not powered; Audio cable disconnected; Mixer/amplifier input issues.	Ensure microphone is on; Replace batteries; Re-synchronize microphone with receiver; Check receiver power; Verify audio cable connections; Check mixer/amplifier settings.
Intermittent sound or dropouts	Out of range; Interference from other devices; Obstacles blocking signal; Low microphone battery.	Move closer to receiver; Identify and eliminate interference sources; Ensure clear line of sight; Replace microphone batteries.
Poor sound quality (static, distortion)	Interference; Incorrect gain staging; Microphone too close/far from source; Damaged microphone/cable.	Change channel to avoid interference; Adjust receiver volume and mixer/amplifier gain; Maintain proper microphone distance; Inspect equipment for damage.
Microphone not synchronizing	IR sensors not aligned; Microphone not in sync mode; Receiver channel not set.	Ensure IR sensors are directly facing each other; Follow synchronization steps precisely; Verify receiver channel is selected before syncing.

SPECIFICATIONS

Detailed technical specifications for the SubZero VOXLINK 2VH Wireless Microphone System:

Feature	Specification
Model Number	SZ-VOXLINK-2VH /BM-630D HH
Number of Channels	16
Frequency Response	865 MHz (operates above 863.7/864.9MHz)
Connectivity Technology	UHF, Infrared, XLR
Connector Type	XLR
Microphone Form Factor	Handheld
Polar Pattern	Unidirectional
Power Source	Battery Powered (Microphones), DC Power Adapter (Receiver)
Included Components	Carry Case, Receiver, 2 Handheld Microphones, Power Adapter

Feature	Specification
Colour	Black
Compatible Devices	Amplifier
Manufacturer	SubZero
Date First Available	6 Dec. 2020

WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service inquiries, please refer to the documentation provided at the time of purchase or contact the manufacturer, SubZero, directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase for any warranty claims.